

Title (en)
ADHESIVE INJECTION METHOD, AND STRUCTURE

Title (de)
KLEBSTOFFINJEKTIONSVERFAHREN UND -STRUKTUR

Title (fr)
PROCÉDÉ D'INJECTION D'ADHÉSIF, ET STRUCTURE

Publication
EP 3495119 A1 20190612 (EN)

Application
EP 17873987 A 20171016

Priority
• JP 2016226998 A 20161122
• JP 2017037419 W 20171016

Abstract (en)
An adhesive injection method and a structure are provided which make it possible to confirm that no air bubbles remain in an adhesive injection region when injecting an adhesive, and which reduce air bubbles contained in the adhesive and decrease reduction in adhesive strength of a composite material. This injection method of an adhesive for adhering an outer plate and a reinforcement member involves a positioning step S12 for positioning the outer plate and the reinforcement member, a seal material arrangement step S14 for arranging a seal material that closes the gap between the outer plate and the reinforcement member, and an injection step S16 for injecting the adhesive into through-holes in the reinforcement member in order from one end to the other end of the adhesion plate. Specifically, in step S16, when injecting adhesive into the through-holes, at the stage when the adhesive can be seen from a hole adjacent to the current adhesive injection through-hole, the adhesive injection through-hole is changed from the current adhesive injection through-hole to the through-hole where the adhesive can be seen.

IPC 8 full level
B29C 65/52 (2006.01); **B29C 70/02** (2006.01)

CPC (source: EP US)
B29C 65/542 (2013.01 - EP US); **B29C 66/112** (2013.01 - EP US); **B29C 66/122** (2013.01 - EP US); **B29C 66/131** (2013.01 - EP US); **B29C 66/342** (2013.01 - EP US); **B29C 66/43441** (2013.01 - EP US); **B29C 66/532** (2013.01 - EP US); **B29C 66/721** (2013.01 - EP US); **B29C 66/7392** (2013.01 - EP US); **B29C 66/7394** (2013.01 - EP US); **B29C 70/02** (2013.01 - EP US); **B29C 45/14344** (2013.01 - US); **B29C 65/544** (2013.01 - EP US); **B29C 65/605** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3495119 A1 20190612; **EP 3495119 A4 20190828**; **EP 3495119 B1 20201202**; CN 109715375 A 20190503; JP 2018083325 A 20180531; JP 6782616 B2 20201111; US 11305495 B2 20220419; US 2019202139 A1 20190704; WO 2018096836 A1 20180531

DOCDB simple family (application)
EP 17873987 A 20171016; CN 201780056544 A 20171016; JP 2016226998 A 20161122; JP 2017037419 W 20171016; US 201716332155 A 20171016